

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L18	3	(variable or varying) near (delay or duty) with (length) with (arm or path) with (MZ or mach \$1zehnder)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 13:58
L19	3	"20020196508"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 13:58
L20	134	monoflop with clock	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:02
L21	0	monoflop with clock and delay with RZ	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:03
L22	1	monoflop with clock and clock with RZ	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:21
L23	30	(variable or varying) near (delay or duty) with (length) with (arm or path) with (interferometer or modulator)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:26
L24	45	(RZ or return\$1to\$1zero) and variable with duty near cycle	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:28
L25	7	(RZ or return\$1to\$1zero) and variable with duty near cycle same clock	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:29
L26	1	(RZ or return\$1to\$1zero) and monoflop with clock	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:35

L27	299	(FZ or return\$1to\$1zero) and delay with interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:36
L28	9	27 and variable with path with length	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:36
L29	14	27 and variable with (path or arm) with length	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:39
L30	30	(variable or varying) near (delay or duty) with (length) with (arm or path) with (interferometer or MZ or mach\$1zehnder or modulator)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:42
L31	34	(variable or varying) near (delay or duty) near3 variable near path	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:44
L32	117	(variable or varying) near (delay or duty) near3 variable near length	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:44
L33	2	32 with interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 14:44
L34	3	("4451151"   "5339182"   "6748081").PN.	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 14:45
L35	30	variable with delay with (path or arm) near length with interferometer	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 14:47
L36	30	variable with delay with (mz or mach\$1zehnder) with interferometer	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 14:54
L37	270	variable with delay with optical near path	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 14:55
L38	131	variable with delay with optical near path near length	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 14:55
L39	50	variable near delay with optical near path near length	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 14:56

L40	6	variable near delay with optical near path near length with interferometer	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 14:58
L41	18	variable near delay with variable near path near length	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 15:04
L42	992	optical near path near length with delay	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 15:07
L43	106	optical near path near length with delay with interferometer	US-PGRUB; USPAT; USOCR	OR	OFF	2009/11/02 15:07
S1	31	"5625722"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 10:06
S2	10	"6616353"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 10:07
S3	0	"2202196508"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 10:08
S4	2	"2002196508"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 10:08
S5	19	"4753529"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 10:08
S6	7	("4753529"   "4791407"   "4805235"   "5220582"   "5222105"   "5305079"   "5339185").FN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/12/29 18:50
S7	93469	optical adj communication	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 13:53
S8	955	differential adj encoder	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 13:53

S9	51	S7 and S8	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 13:53
S10	722020	clock	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:21
S11	479	S8 and S10	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:21
S12	7757339	control	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:21
S13	414	S11 and S12	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:22
S14	383	S13 and communication	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:22
S15	365	S14 and (transmit or transmitter)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:22
S16	266	S15 and switches	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:22
S17	145	S16 and ports	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:23
S18	0	S17 and interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:23

S19	0	S18 and interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:23
S20	4	S17 and interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:23
S21	106	mono-flop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:31
S22	3	S21 and encoder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 14:31
S23	35	S21 and clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:04
S24	26	S21 same clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:04
S25	6536	duration with impulse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:05
S26	1158	S25 same control	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:05
S27	1666	duration with (neutral or null)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:06
S28	330	duration with (signal adj state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:06

S29	45	S25 and S27	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:06
S30	31	S29 and control	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 15:07
S31	3	"20020196508"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:00
S32	12719	"XOR" adj gate	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:38
S33	142723	flip-flop	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:39
S34	958	differential adj encoder	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:39
S35	3	S32 same S33 same S34	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:39
S36	17	S34 same S32	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:40
S37	2205	S32 same S33	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:43
S38	1655	S32 with S33	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:43

S39	17291	RZ	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:43
S40	55	S39 and S38	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:43
S41	1842	different\$3 adj encoder	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:54
S42	6	S37 and S41	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 09:55
S43	16	RZ adj encoder	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 10:30
S44	31	"5625722"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 10:44
S45	2	"20060245763"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 11:23
S46	1	"10562760"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 15:22
S47	0	vary with duration with impluse	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:03
S48	0	vary\$ with duration with impluse	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:03

S49	6551	impulse with duration	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:06
S50	311	(impulse with duration) same vary\$	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:07
S51	72	(impulse with duration) same vary\$ same control	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:08
S52	14	S51 and optical	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:11
S53	80179	vary\$ same cycle	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:24
S54	12842	vary\$ same (duty adj cycle)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:24
S55	3585	S54 and optical	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:24
S56	0	S55 and impluses	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:24
S57	0	S55 and impluse	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:24
S58	120776	duration with signal	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:24



S59	1651	optimum\$ same (duty adj cycle)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:29
S60	526	S59 and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:29
S61	0	S59 same impluse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:29
S62	4	S59 same impulse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:29
S63	243	optimum\$ same (duty adj cycle) same vary\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:32
S64	113	S63 same control	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:33
S65	33	S64 and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:33
S66	6180	S64 same control	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:51
S67	1777	S64 same controller	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:51
S68	69	S67 and impulse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 17:51

S69	36	S68 and delay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 18:11
S70	116550	clock same delay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:06
S71	1036	mono\$lop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:06
S72	340	S71 and clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:06
S73	216	S71 same clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:06
S74	1	S73 and DPSK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:06
S75	42	S73 and transmitter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:07
S76	11	S75 and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:07
S77	36	S75 and control	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:53
S78	74	S73 same control	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:53

S79	8	S78 and transmitter	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 10:53
S80	17	"4353091"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:09
S81	8727	vary\$ with (duty adj cycle)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:44
S82	646	S81 same clock	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:44
S83	0	S82 same S71	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:44
S84	130	S82 same delay	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:45
S85	11	S84 and transmitter	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:45
S86	6	(duty adj cycle) same monoflop	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:56
S87	3	(duty adj cycle) same mono-flop	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 16:01
S88	211	(clock or (duty adj cycle)) same monoflop	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 16:19

S89	72	S88 same control	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 16:20
S90	16	RZ adj encoder	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:04
S91	0	S90 same supply	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:04
S92	0	S90 same3 supply	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:04
S93	7	S90 same3 power	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:05
S94	3009	DPSK	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:08
S95	148	RZ-DPSK	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:08
S96	75584	driver adj circuit	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:08
S97	8	S95 and S96	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:08
S98	0	S95 and swtiches	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:18

S99	93	S96 and switches	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:18
S100	0	S95 and (switch adj pairs)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:25
S101	0	S96 and (switch adj pairs)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:26
S102	1	S95 and (switch adj pairs)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:26
S103	436	S96 and (switch adj pairs)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:26
S104	2	S96 and ("8" near switch adj pairs)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:26
S105	5	S96 and ("4" near switch adj pairs)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:40
S106	352	398/188	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:41
S107	1	S95 and (switch adj pairs)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 18:07
S108	30	S95 and (switch)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 18:08
S109	1	((HORST) near2 (WERNZ)). INV.	US-PGRUB; USPAT	OR	ON	2009/01/14 17:53
S110	8	((HORST) near2 (WERNZ)). INV.	EPO; JPO; DERWENT	OR	ON	2009/01/14 17:54

S111	7	((JOERG-PETER) near2 (ELBERS)).INV.	US-PGPUB; USPAT	OR	ON	2009/01/14 17:54
S112	15	((JOERG-PETER) near2 (ELBERS)).INV.	EPO; JPO; DERWENT	OR	ON	2009/01/14 17:54
S113	3	((HELMUT) near2 (GRIESSER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 17:54
S114	5	((HELMUT) near2 (GRIESSER)).INV.	EPO; JPO; DERWENT	OR	ON	2009/01/14 17:54
S115	149	FZ\$1DPSK	US-PGPUB; USPAT	OR	OFF	2009/10/27 14:28
S116	1725703	(transmitter or transmit\$3)	US-PGPUB; USPAT	OR	ON	2009/10/27 14:28
S117	48	S115 with S116	US-PGPUB; USPAT	OR	ON	2009/10/27 14:28
S118	31	S117 same modulator	US-PGPUB; USPAT	OR	ON	2009/10/27 14:28
S119	1	S118 and neutral	US-PGPUB; USPAT	OR	ON	2009/10/27 14:35
S120	0	"2002196508".pn.	US-PGPUB; USPAT	OR	ON	2009/10/27 14:48
S121	1	"20020196508".pn.	US-PGPUB; USPAT	OR	ON	2009/10/27 14:48
S122	0	("2006/0245764").URPN.	USPAT	OR	OFF	2009/10/27 14:52
S123	0	(10/562147).APP.	USPAT; USOCR	OR	OFF	2009/10/28 13:55
S124	67	interferometer with arms with length with control\$4	US-PGPUB; USPAT	OR	OFF	2009/10/28 14:17
S125	983	neutral near signal	US-PGPUB; USPAT	OR	OFF	2009/10/28 14:17
S126	0	S124 same neutral	US-PGPUB; USPAT	OR	OFF	2009/10/28 14:17
S127	1600	balanced with (driver or driver)	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:14
S128	7513	balanced with (drive or driver)	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:14
S129	115625	single with (driver or drive)	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:14
S130	382	S128 with S129	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:14
S131	881	balanced near (drive or driver)	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:16
S132	21116	single near (driver or drive)	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:16
S133	3	S131 with S132	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:16
S134	1	"6865348".pn.	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:19

S135	6	S131 same S132	US-PGPUB; USPAT	OR	OFF	2009/10/28 16:40
S136	3	RZ\$1DSPK	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:23
S137	149	RZ\$1DPsK	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:24
S138	3	S137 and (zero or neutral) near3 (varies or variable)	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:24
S139	1588	exclusive\$1or with flip \$1flop	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:25
S140	0	S137 and S139	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:25
S141	149	RZ\$1DPSK	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:25
S142	13148	RZ\$1DPSK or RZ or return \$1to\$1zero	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:26
S143	149	S141 and S142	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:26
S144	47	S139 and S142	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:26
S145	4	S139 same S142	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:27
S146	426	variable near neutral	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:56
S147	3	variable near neutral near signal	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:56
S148	22	neutral near signal with (varies or variable)	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:57
S149	9159	"22" and RZ	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:57
S150	9159	S149 and RZ	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:57
S151	0	S148 and RZ	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:57
S152	267	RZ and (variable or varies) with (neutral or rest or zero)	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:00
S153	83	RZ and (variable or varies) near3 (neutral or rest or zero)	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:00
S154	29	(return\$1to\$1zero or "return to zero") and (variable or varies) near3 (neutral or rest or zero)	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:01
S155	10	(return\$1to\$1zero or "return to zero") same (variable or varies) near3 (neutral or rest or zero)	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:06
S156	1890	(EXOR or exclusive\$1or) with (flip\$1flop)	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:11

S157	24	(return\$1to\$1zero or "return to zero") and S156	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:12
S158	4	(return\$1to\$1zero or "return to zero") and S156 with clock	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:14
S159	1352	D\$1flip\$1flop with clock	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:15
S160	7	(return\$1to\$1zero or "return to zero" or RZ) same S159	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:16
S161	14	(return\$1to\$1zero or "return to zero" or RZ) and S159	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:18
S162	7	S161 and transmitter	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:19
S163	417	S156 and transmitter	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:20
S164	22	S156 same transmitter	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:20
S165	16	S164 same clock	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:20
S166	1	(return\$1to\$1zero or "return to zero" or RZ) and S165	US-PGPUB; USPAT	OR	OFF	2009/10/28 18:20
S167	2645	D\$1flip\$1flop	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:06
S168	306	D\$1flip\$1flop with delay	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:06
S169	1	D\$1flip\$1flop with delay with one\$1bit	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:06
S170	73	flip\$1flop with delay with one\$1bit	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:10
S171	0	flip\$1flop with delay with one\$1bit same differential near encoder	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:11
S172	1	flip\$1flop with delay with one\$1bit same encoder	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:11
S173	2	flip\$1flop with delay with one\$1bit with common	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:12
S174	10	D\$1type with flip\$1flop with delay with one\$1bit	US-PGPUB; USPAT	OR	OFF	2009/10/29 10:13
S175	1173956	var\$4 with duty cycle	US-PGPUB; USPAT	OR	ON	2009/10/29 10:27
S176	12953	var\$4 with duty near cycle	US-PGPUB; USPAT	OR	ON	2009/10/29 10:27
S177	12587	(varies or varying or varied or vary) with duty near cycle	US-PGPUB; USPAT	OR	ON	2009/10/29 10:28
S178	13	S177 same RZ	US-PGPUB; USPAT	OR	ON	2009/10/29 10:28



S179	0	S178 and mono\$1flop	US-PGPUB; USPAT	OR	ON	2009/10/29 10:33
S180	0	S178 and monoflop	US-PGPUB; USPAT	OR	ON	2009/10/29 10:33
S181	0	S178 and timer	US-PGPUB; USPAT	OR	ON	2009/10/29 10:34
S182	5213	(varies or varying or varied or vary) with duty near cycle with control\$4	US-PGPUB; USPAT	OR	ON	2009/10/29 10:35
S183	5	S182 same FZ	US-PGPUB; USPAT	OR	ON	2009/10/29 10:35
S184	3	S183 and (timer or clock)	US-PGPUB; USPAT	OR	ON	2009/10/29 10:36
S185	179	FZ\$1DPSK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 09:46
S186	21	S185 and variable near (delay or duty)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 09:47
S187	0	S185 and (variable near (delay or duty) with length)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 09:50
S188	3	S185 and (variable with (delay or duty) with length)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 09:50
S189	3407	(variable with (delay or duty) with length)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 09:57
S190	1	(variable with (delay or duty) with length near arm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 09:58
S191	7	variable near (delay or duty) same arm with length with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:15
S192	18	variable near (delay or duty) same (arm or path) with length with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:17

S193	0	S192 and (return\$1to \$1zero or FZ)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:18
S194	66	variable with (delay or duty) same (arm or path) with length with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:18
S195	3	S194 and (return\$1to \$1zero or FZ)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:18
S196	66	variable with (delay) same (arm or path) with length with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:51
S197	39	variable with (delay) with (arm or path) with length with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:52
S198	10	variable with (delay) with (arm or path) with length with mach\$1zehnder with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:52
S199	9	{"5048909"   "5459801"   "5633965"   "5636309"   "5647037"   "5703976"   "5761351"   "5809190"   "5930414").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 10:53
S200	18	variable with (delay) same (arm or path) with length with mach\$1zehnder with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:53
S201	410	(delay or duty) with (arm or path) with length with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:55
S202	97	(variable or varying) with (delay or duty) same (arm or path) with length with interferometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:56

S203	62	(variable or varying) with (delay or duty) with (arm or path) with length with interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 10:56
S204	190	(variable or varying) with (delay or duty) with (arm or path) with interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 11:26
S205	61	(variable or varying) near (delay or duty) with (arm or path) with interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 11:26
S206	13652	(variable or varying) near (delay or duty) with (length) (arm or path) with interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 11:29
S207	12	(variable or varying) near (delay or duty) with (length) with (arm or path) with interferometer	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/02 11:29

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